

# LED Explosion Proof Lighting

10W~30W



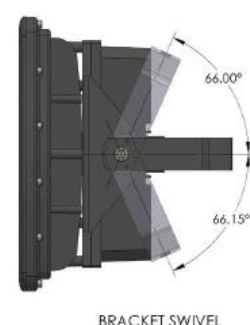
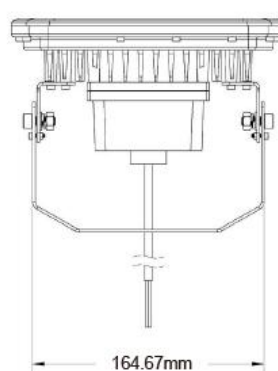
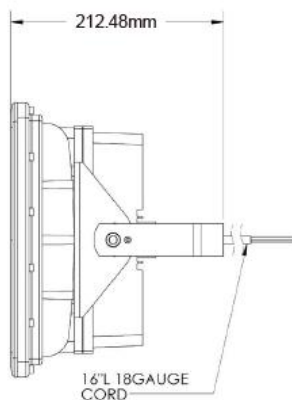
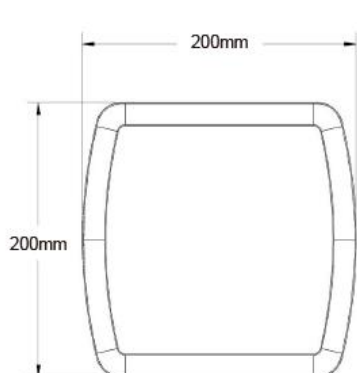
## APPEARANCE

- Self-developed with ready patent (no. ZL2010202338350)
- IP68 waterproof protection
- Material: Die-casting Aluminum Alloy ADC12
- Power coating: Sprayed with unique paint material, good heat transmission
- Lens: Toughened glass, 4mm thickness, shock & vibration resistant, >95% light transmit
- Gasket: water proof silicon, top quality rubber with anti-low aging and burn-proof characteristic

## LED LIGHT ENGINE

- Bridgelux 3030 chip, LM80 Certify
- Efficacy : up to 150lm @ 350Ma (per watt)
- Color option: CW/NW/WW//Custom color
- CRI >73
- Rated Life of 100,000+ hrs
- No toxic chemicals / RoHs compliant
- 70%-80% energy saving compare to HPS/MH

## DIMENSIONS



## QUALIFICATION

- ISO 14001: Recognition with IAF & CNAS
- ISO 9001: Recognition with IAF & CNAS
- IEXEX (Global) : EX ec IIC T4 Gc
- ATEX Zone 1 : EX II 2G Ex eb mb IIC T4 Gb / ATEX Zone 2 : EX II 2D Ex tb IIIC T(95℃) Db
- UL844 (American): Class I Division 2 Group A, B, C, D
- UL1598 Luminaries: UL1598A Marine; UL8750
- CSA C22.2 No. 137-M1981

## Technical Parameters

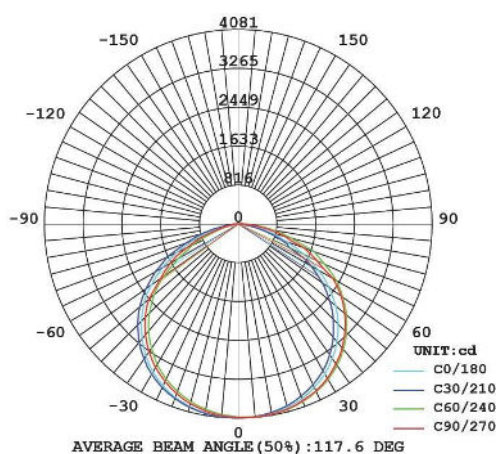
|                             |  |
|-----------------------------|--|
| Power                       | 30W (10W~30W)                                |
| Model No.                   | CES-J40S                                     |
| Dimension                   | 200 * 200 * 147mm                            |
| Input Voltage<br>&Frequency | AC100-277V/50/60Hz                           |
| Input current               | 0.35 ~ 0.55A                                 |
| Power Factor (PF)           | ≥0.98  |
| THD                         | <10%   |
| LED Driver                  | Meanwell HLG Series                          |
| Luminous Flux               | 115lm/w                                      |
| CRI                         | >73  |
| CCT Color                   | CW/NW/CW/Custom color                        |
| Beam Angle                  | 8°/15°/36°/60°/90°/120°                      |
| Working Temp.               | -40 °C to +55 °C                             |
| IP Grade                    | IP68   |
| Lifespan                    | >50,000hrs                                   |
| Housing                     | ADC12,painting powder coated ,aluminum alloy |
| Net weight                  | 4kgs   |
| Warranty                    | 5 years                                      |

## Application

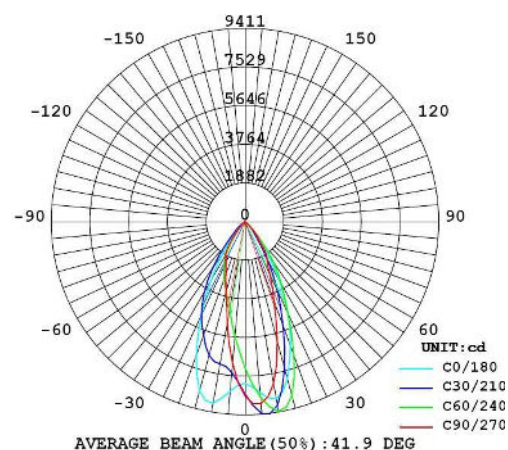
- Suitable for oil well, refineries, gas station, petroleum and chemical industries, coal mine, military, airport, warehouse, marine etc.
- Zone1 & Zone2 gaseous environment, and Zone21 & Zone22 dust environment.



## Distribution Curve



**120°x120°**

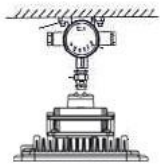


**60°x30°**

## Packing Information

| Model No.       | Power   | PCS/CTN | Net Weight | Gross Weight | Carton Size(mm) |
|-----------------|---------|---------|------------|--------------|-----------------|
| <b>CES-J40S</b> | 30W/40W | 1       | 4kgs       | 4.5kgs       | 360*250x200mm   |
| <b>CES-J100</b> | 100W    | 1       | 7.5kgs     | 8.5kgs       | 370x370x240mm   |
| <b>CES-J200</b> | 185W    | 1       | 11.5kgs    | 12.5kgs      | 460x460x240mm   |

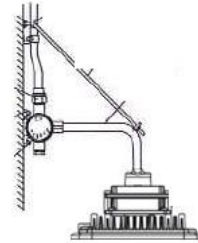
## Installation



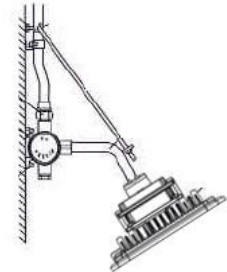
A. Ceiling Mount



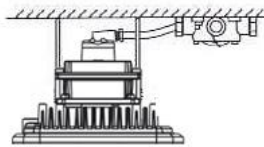
B. Drop Mounting



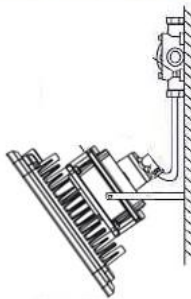
C. Wall Mount



D. Wall Mount



E. U-Bracket Mounting



F. Pole Mount



G. Pole Mount

